

Date: Sat, 5 Nov 94 04:30:27 PST  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: List  
Subject: Ham-Digital Digest V94 #368  
To: Ham-Digital

Ham-Digital Digest                      Sat, 5 Nov 94                      Volume 94 : Issue 368

Today's Topics:

   1270C  
   digital radio protocol  
   Ham-Digital Digest V94 #3  
   Help? File Server software Advice  
   NoCal 00 goes after Packet BULLETins (5 msgs)  
   Packet addresses and Internet: Connection?  
   PK232 19200 Mod?  
   RTTY Question  
   your LISTSERV request "help with pk232"

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 5 Nov 94 04:39:34 GMT  
From: imotion@iu.NET (Howard Goldstein)  
Subject: 1270C

Daniel, the major difference is the 1270C supports bank switching to the RAM  
chip at U25 for the enhanced mailbox. The 1270B lacks the bank switching it  
needs to get at the extra RAM. The unmodified 1270B it will not run 1270C  
firmware.

You can upgrade to the 1270C with the MFJ-46 daughterboard. It plugs into  
the CPU socket to enable access to the large mailbox RAM, and comes with the  
latest 1270C firmware.

The latest TAPR TNC-2 release is 1.1.8.

73 Howie N2WX

--

Howard Goldstein  
InfoMotion, Inc.

imotion@iu.net  
CIS:75006,702

"Joy comes, grief goes, we know not how" J.R. Lowell

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Date: 4 Nov 1994 22:27:22 GMT  
From: karn@unix.ka9q.ampr.org (Phil Karn)  
Subject: digital radio protocol

In article <397vik\$143@news.midland.co.nz>, vaughan@belltrans.co.nz (Vaughan McPherson) writes:

|> The problem that I am faced with is the long latency between asserting the Push to  
|> talk on the radio and the radio becoming ready to send data (~600 ms).

Well, the immediate answer to this problem is to make fewer but longer transmissions. Make your frames fairly small to improve the percentage that make it through without errors, and send several frames per transmission.

Some time ago I showed that AX.25, over a fairly wide range of conditions, worked best when you send only one frame per transmission. But that assumed a much shorter turnaround delay, and more importantly it also assumed go-back-N retransmission (which is what AX.25 does). The inefficiency of having to retransmit frames that were correctly received the first time just because a prior frame was trashed is mainly what makes it a bad idea to send more than one frame per transmission in AX.25.

If you use a selective retransmission mechanism where the receiver individually acknowledges each frame of a transmission so the sender can resend those that were lost, then things could be much more efficient.

You might also consider adding forward error correction (FEC) to reduce the bit error rate, thus allowing longer frames. Depending on the channel conditions, the overhead of FEC might be less than the extra header overhead incurred by making your frames small enough to pass with high probability.

Phil

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Date: Sat, 5 Nov 94 03:11:00 -0400  
From: hua.chu@channel1.com (Hua Chu)  
Subject: Ham-Digital Digest V94 #3

HA>d, 2 Nov 94            Volume 94 : Issue 363

Is this related to HAM-HOMEBREW DIGEST? Where can I get that? Mind helping a stupid newbie?

-H.C.

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\* OLX 2.1 \* If this were an actual tagline, it would be funny.

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Date: Mon, 31 Oct 1994 22:53:10 GMT  
From: psnidal@cln.etc.bc.ca (Peter Snidal)  
Subject: Help? File Server software Advice

thanks for reading. We are running a file server here on packet, (not a full-service bbs; just fs and local message base) and I'm looking for better software. We're currently using PaKet, and it

's designed as User software, with a tacked-on Remote Mode, which is the only part we're using. we need passworded remote access to the system for sysop(s), and something a little less glitchy would be nice as well.

If necessary, I suppose we'll have to use full-service bbs software of some sort, like fbb or msys, although something designed with local message base/file servers in mind would be mo bettah. I have downed copies of incomplete distribution packages with broken files that wouldn't unzip, form cfcsc.dnd.ca, and would really appreciate hearing of an ftp site with complete files which will unzip and work of fbb and msys. Also suggestions for other software options would be much appreciated.

Ditto for node software - we may want this thing to be a node as well some day. Thanks.

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Date: 4 Nov 1994 18:08:02 GMT  
From: hanko@wv.mentorg.com (Hank Oredson)  
Subject: NoCal 00 goes after Packet BULLetins

In article <1994Nov3.115023.22992@news.csuohio.edu>, sww@csuohio.edu (Steve Wolf) writes:

|> Dave Horsfall (dave@eram.esi.com.au) wrote:  
|> : In article <1994Oct29.000208.29686@news.csuohio.edu>,  
|> : sww@csuohio.edu (Steve Wolf) writes:  
|> :  
|> : | All bulletins are broadcasting. They are sent in many directions. When be  
|> : | forwarded, the receiving station did not ask for them. The sending station  
|> : | has no expectation that the receiving BBS will read or reply to them.  
|> :  
|> : Dunno about your neck of the woods, mate, but here down under the sender  
|> : presents a brief list of bulletins, and the receiver is invited to  
|> : accept or reject them...  
|> :  
|> When being forwarded? Really? How does that work? I can understand the  
|> user being queried but as the quote says, we are talking about forwarding.

Oh, it works quite well, actually!

The receiver may reject a message presented during forwarding  
for any reason whatsoever.

This is how the system has worked for the past half-dozen years.

(Jeff, WA7MBL first implemented it in about 1986, and all the  
current BBS codes now use his method)

Steve, have you ever actually OPERATED packet and watched  
what the systems are doing? Might be a good idea to spend  
a few hours on air to see how it all works.

... Hank

--

Hank Oredson @ Mentor Graphics                      Library Operations  
Internet : hank\_oredson@mentorg.com                "Parts 'R Us!"  
Amateur Radio: WORLI@WORLI.OR.USA.NOAM

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Date: Mon, 31 Oct 1994 23:02:10 GMT  
From: psnidal@cln.etc.bc.ca (Peter Snidal)  
Subject: NoCal 00 goes after Packet BULletins

Good One! Well Done! .... .... \_.\_

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Date: Sat, 5 Nov 1994 07:21:10 GMT  
From: sww@csuohio.edu (Steve Wolf)  
Subject: NoCal 00 goes after Packet BULLETins

:  
: Steve, have you ever actually OPERATED packet and watched  
: what the systems are doing? Might be a good idea to spend  
: a few hours on air to see how it all works.  
:

Aw, there you go getting grumpy again.

Like I told F6FNB, lot of people are doing the same thing you are, don't pat a hole in your back over your 100k messages a year. We all have those same political agenda, recipes, sewing lessons, Rush Limbaugh, and other informational bulletins (that are beginning to consume the majority of the amateur radio network).

Your arguments are too far tangent and no longer of relevance.

73,  
Steve

Internet : no8m@hamnet.wariat.org  
Amateur Radio : no8m@no8m.#neoh.oh.usa.na  
MSYS Mail List: msys-request@hamnet.wariat.org ('info' for title)

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Date: Mon, 31 Oct 1994 22:49:08 GMT  
From: sww@csuohio.edu (Steve Wolf)  
Subject: NoCal 00 goes after Packet BULLETins

Hank Oredson (hanko@wv.mentorg.com) wrote:

:  
: Steve,  
:  
: sorry, but you are just plain wrong here.  
:  
: Please think about how things work, read part 97, and then  
: come back and join in the discussion with some useful ideas.  
:  
: This horse is dead, you can stop beating it.  
:  
: ... Hank

Is this supposed to be a form of argument?

Ah! I was just plain wrong! No wonder!

73,  
Steve

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Date: Sat, 5 Nov 1994 07:43:01 GMT  
From: sww@csuohio.edu (Steve Wolf)  
Subject: NoCal 00 goes after Packet BULletins

: Face it Steve, you've stepped on your dick. Now quietly put it back in  
: your pants, zip up and stop asking others to come by and step on it as  
: well.

: Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM Internet: jangus@skyld.grendel.com  
: US Mail: PO Box 4425 Carson, CA 90749 Phone: 1 (310) 324-6080

That's a whole new subclass under assasination, isn't it? Maybe it could  
go under a ... negative compliment???

73,  
Steve

Internet : no8m@hamnet.wariat.org  
Amateur Radio : no8m@no8m.#neoh.oh.usa.na  
MSYS Mail List: msys-request@hamnet.wariat.org ('info' for title)

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Date: Sat, 5 Nov 1994 04:21:44  
From: tallath@hookup.net (Gordon R Beatty)  
Subject: Packet addresses and Internet: Connection?

I never thought that I would have a need to check in to this  
newsgroup. Well, not yet anyway. Being fairly new to amateur radio  
I have been examining the different avenues that the hobby has  
to offer, but I figured I'd hold off on the packet thing for a while,  
despite my (first) love of computers and the obvious tie-in that lies  
in packet between these two hobbies.

And here I am. Why? I have noticed -- on a few things that I have  
been amassing -- that individuals will say they are accessible by  
such-and-such an address on packet. Now correct me if I'm wrong,  
but doesn't packet interface to the Internet to a certain extent?  
If this were so, then it would suggest the possibility that these  
addresses might be converted to an address that is accessible  
through Internet e-mail, just as Compuserve and other networks/

services are. So I ask all the great packet enthusiasts, is this possible? And if so, how is the address converted?

Thanks,

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Gordon R Beatty VA3GRB  
Ottawa, Ontario, CANADA  
E-Mail: tallath@hookup.net  
'Live Long and Propagate' 'What's an O-P-I-N-I-O-N ?'  
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Date: 31 Oct 94 16:11:00 GMT  
From: steve.diggs@totrbbs.atl.ga.us (Steve Diggs)  
Subject: PK232 19200 Mod?

I own a PK232 that is doing a fine job for me...I added a TAPR 9600 modem to it, and all is fine down South...

With the data coming in at 9600 bps, and 9600 is also the DTE rate from the TNC to my PC...data flow to the screen leaves something to be desired.

Has anyone done the 19200 DTE mod to the PK232? I called AEA, and they say that they don't do it, but they have heard of it being done. Something about changing a crystal out...

I would appreciate any feedback; if I get a mod, I will post it on my BBS and make it available for all.

Regards,  
Steve Diggs

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Top Of The Rock BBS - Lilburn, GA                   SYSOP: Steve Diggs  
UUCP: totrbbs.atl.ga.us                   Snailmail: 4181 Wash Lee Ct.  
Phone: +1 404 921 8687                   Lilburn, GA 30247-7407  
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Date: Fri, 4 Nov 94 21:02:19 GMT  
From: jcumming@dgim.doc.ca (Jim Cummings)  
Subject: RTTY Question

Harold E Cheyney (hcheyney@magnus.acs.ohio-state.edu) wrote:  
: Just recently started working RTTY using a Kantronics KAM  
: TNC, a Kenwood TS-530s, and a dumb terminal. I find that

: I can copy rather weak signals as long as they are in the  
: clear but QRM on nearby frequencies seems to desensitize  
: the TNC. Will a narrow CW filter work with RTTY? How  
: narrow?

: Please E-mail.

: Thanks

Hello Harold:

Since most CW crystals are centred about 800 HZ, it is unlikely that it will do you much good when the signals of interest are around 2200 hz. However, if the 530 has an RTTY/FSK mode on the mode switch, what I have just said is untrue. If the 530 has an RTTY/FSK mode, you will find that a 500 hz is plenty of filtering. 250 hz will be much too narrow for anything but the strongest stations (I know, I fell into that trap years ago - there is a technical explanation, but I don't want to get into that now). If 500 Hz is not available, 400 HZ should be OK for you.

Failing that, you might want to consider a DSP filter. I haven't had any experience with them, but I understand from reading other comments they seem to be effective.

I hope to meet up with you someday and we can have a chat on RTTY!  
Welcome to the mode.

73 and live better digitally

Jim, VE3XJ

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Date: 5 Nov 94 06:43:44 GMT  
From: Listserv@ucsd.edu (Mailing List Processor)  
Subject: your LISTSERV request "help with pk232"

The mailing list "with" could not be found.  
You may use the INDEX command to get a listing  
of available mailing lists.

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End of Ham-Digital Digest V94 #368

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